GNN
Global Network
Navigator

GNN Global Network Navigator
-Pricing-

Green Pricing Plan
First Month Free Trial - 15 Free Hours
Subsequent Months - $3.95 for 3 Hours per Month/Additional Hours $2.25

Gold Pricing Plan
First Month Free Trial - 15 Free Hours
Subsequent Months - $14.95 for 15 Hours per Month/Additional Hours $1.95

Platinum Pricing Plan
First Month Free Trial - 15 Free Hours
Subsequent Months - $40 for 30 Hours per Month/Additional Hours $1.95

-Important Dates-

July 19, 1995 - Launch
Start Charging for Service
Single Disk Golden Master v1.1 Ready
Launch of Service to Anyone with Ability to Download, FTP or With Software on
Compaq or Gateway PC

August 24, 1995 - Official Launch of *GNN - Global Network Navigator*
Press and Media
Direct Mail
Onserts
Inserts
Business Reply Cards
Starter Kits
Advertisements
PC OEM's
Modem OEM's

*far*out

Global Network Navigator is at the leading edge of the cyber frontier, pioneering an approach that may well represent the future for magazine publishers.

By Thomas Forbes

t's called the World Wide Web, or WWW, or W3, or just the Web. It's *the* place to be on the Internet right now, and it has extraordinary implications for magazine publishers looking for markets in electronic media. Web usage grew at an astounding annual rate of 341,634 percent last year, according to The Internet Index, and use of the Internet itself is growing rapidly. The Web—which is really a method of organizing information on the Internet—is also *the* place to be seen: *Wired* linked up to the Web this year, and *Mother Jones* is there, too. A hot zine out of Great Britain called *3W* is not only on it, but also covers the territory. You can also skim through the more than 100 magazines displayed in the online racks of The Electronic Newsstand (*see* FOLIO:, September 15, 1993, page 17, and December 1, 1993, page 64) through the Web, and every day, it seems, another daily newspaper puts up a home page—from Raleigh, North Carolina, to Casper, Wyoming, to San Francisco.

The most intriguing magazine published on the Web, however, is *Global Network Navigator*—a totally electronic venture launched last October by O'Reilly & Associates, a technical-book publisher based in Sebastopol, California. *GNN* calls itself "a news service, an online magazine, The Online Whole Internet Catalog, and a global marketplace containing information about products and services." Its editorial personality is savvy but friendly, and it contains features you won't find elsewhere. It's also a value-added front-end to all of the vast resources of the Internet. More remarkable, in a world that until recently was free of overt commercialism,

Global Network Navigator is throwing out old models for print-based magazines and looking instead for partners to explore online publishing, says publisher Dale Dougherty.

GNN intends to support itself through advertising revenue.

Glimpse of the future?
For other magazine publishers, GNN may be an illuminating glimpse of the near future, when online magazines will be a blend of various media and when readers will be able, for instance, to click on a word in a newsmagazine's coverage of a Presidential speech and immediately pull up a video clip of it—or click on an image of an advertiser's automobile to see how it takes a curve before pulling down comparative data and prices.

GNN is produced specifically, but not exclusively, for a multimedia Web "browser" called Mosaic—which at present is the most enticing way to travel through cyberspace, and is representative of programs that may truly revolutionize the Internet as a vehicle for electronic publishing. Developed by the National Center for Supercomputing Applications at the University of Illinois, Mosaic can bring text, video, still graphics and sound through the modem and into your office or home computer. There are versions for the Macintosh, DOS and UNIX operating systems. Mosaic supports audio and video—and there are many examples of both on the Web—but most of GNN's links don't contain either because they take so much time to transmit through the phone wires and modems that most people now use.

GNN does, however, take complete advantage of Mosaic's hypertext capabilities, which point users to related ideas in other online documents, whether they reside in a computer around the corner or across the world. Users can read an interview with a

personal-finance expert at the University of Texas, for instance, and then jump seamlessly to the databases that the expert refers to.

GNN is not a kitchen-table operation. Dale Dougherty, GNN's publisher, says that start-up costs have been in the seven figures, with a staff of about 20 people including editors, designers, salespeople, programmers and customer service reps. He hopes GNN will be breaking even in three years.

Among GNN's features, the Home Page touts the magazine's hottest editorial offerings and leads to the GNN Directory, which provides several new options such as The Whole Internet Catalog. The Catalog offers hypertext links to dozens of other intriguing areas on the net. There are further links to literally millions of documents and data within those headings, but—like a good tour guide—the Mosaic browser highlights attractions and lets the travelers backtrack to familiar territory if they're lost.

Another area the directory screen leads to is GNN's index of advertisers. In June, nine months after GNN's launch, about 40 active advertisers were paying from $500 to $5,000 monthly for various levels of participation. They included such familiar brands as Nordic Track, Digital Equipment Company, Delphi and Lens Express. Other advertisers included Merrimack College, a small Catholic liberal arts college in Massachusetts, and Bolt Beranek and Newman Inc., a company that builds network products and undersea systems.

This type of online advertising is entirely different from what you see on Prodigy, for example, or what was at-

Getting connected to the World Wide Web
Getting directly connected to the Internet and the Web is as exciting—and exasperating—as buying an automobile was 80 years ago. If you wanted to drive anywhere adventurous, you had to have a decent idea of how the "devil's own machine" worked, because its components often broke down. And the rutted roads made for pitifully slow travel. But don't despair. Automobiles became simpler to use even as they grew more complex, prices came down as they became more plentiful, and vehicle speed increased as the roads were paved.

Products like Internet in a Box (800-777-9638), a joint venture of O'Reilly & Associates and Spry, Inc., that includes all the Internet software necessary for Windows users to run Mosaic, are hitting the market to make connecting simpler. Competing commercial Internet service providers are springing up, and several have friendly graphical user interfaces that allow you to get a feel for the Net. Finally, if you don't think the dirt roads are going to be paved, think again. Fiber. ISDN. Compression. Wireless. Whatever the technological answers to the bandwidth question are—and they may emerge from the ether next week, next year or beyond—full-motion video will ultimately come to a computer near you.

But right now, unless you have a touch of the hacker's soul and a day or two to fiddle away, you won't want to try to hook up applications such as TCP/IP and NCSA Mosaic and Sound Machine yourself. Call in your system administrator or a consultant. But if you do have a passion for persevering, Adam Engst's Internet Starter Kit (Hayden, $29.95, in Mac and PC versions) comes packed with valuable software and useful information, as does Michael Fraase's Internet Tour Guide (Ventana Press, $24.95, in Mac and PC versions). Susan Estrada's Connecting to the Internet (O'Reilly & Associates, $15.95) is an excellent guide to the different types of Internet accesses you can purchase. It will leave you yearning for the open road (a 56Kbps or better connection on a dedicated line) even if you're on a dirt-road budget (a 14.4Kbps modem).

In order to run NCSA's Mosaic, which is freeware that supports graphics and sound and currently comes in Macintosh, Windows and UNIX versions, you should have at least a 14.4Kbps modem and SLIP or PPP connection to the Internet. That means setting up an account with an Internet service provider, which will cost upwards of $30 a month or have hefty ($2 to $4 hourly) charges. Service providers regularly advertise in Internet World (203-226-6967) and Boardwatch (800-933-6038). Shop around, and be sure to take into consideration the cost of the telephone calls you'll have to make to the service provider's location.

You can't use Mosaic through any of the commercial online services, but you can get a text-only taste of GNN through Delphi, where Internet access costs $23 for 20 hours of night-use a month.—T.F.
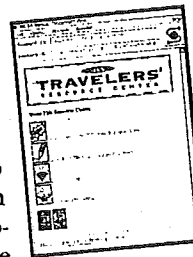
tempted by the immigration lawyers who junk e-mailed (or "spammed") the Internet, inciting a torrent of incensed reactions (or "flames"). You see a GNN advertiser's message only if you want to, although the logos of some advertisers, with active hypertext links that users can click

on for more information, appear discreetly on the index pages of selected features. "If you view the Internet as a city with a lot of different buildings, what we've done is set up a building and said 'This is commercial space,' " says Dougherty. "When you come

(CONTINUED FROM PAGE 65)
in here, you expect to see these things."

Online advertisers aim to make their messages informative, nonintrusive and, ultimately, interactive. This type of advertising is not only acceptable on the Internet, but welcomed by many users.

"When a lot of people convey their negative impressions of advertising, they're largely talking about TV, where they're shouting at you," says Dougherty. "But particularly with the demographic we're reaching, buying a product these days is based on how much information you receive."

Is this really the answer?

Not everybody, however, is sold on the effectiveness of graphical interfaces like Mosaic as a practical way to publish in cyberspace. Rob Raisch, president of The Internet Co. and co-founder of The Electronic Newsstand, says he takes a "pragmatic" stance. "I have been on this hobbyhorse ever since I worked for O'Reilly and helped to create *GNN*," he recently wrote to an Internet discussion mailing list. "And frankly I am sick to death of reading how Mosaic is the 'Lotus 123 of the Internet.' "

At present, Raisch says, "less than 1/10th of 1 percent of the 25 million denizens of the global Internet have access to the pipes [bandwidth] required to run Mosaic." Quite simply, the numbers aren't there for serious advertisers. And sufficient bandwidth to run graphical Internet browsers like Mosaic at a price that most people can afford, he claims, is just a dream that will eventually turn off Fortune 1,000 marketers to the Internet as a whole. "Anyone remember videotext?" Raisch asks.

Raisch's posts in early August were hotly debated—and probably still will be—when you read this article (for information about the Internet Marketing discussion mailing list, send the command INFO INET-MARKETING to LISTPROC@EINET.NET).

GNN has a registered circulation of 38,000 readers, although Dougherty claims that many of the 100,000 to 200,000 net surfers who look at it regularly fail to fill out the online subscription form (which is itself a tricky maneuver for the average user). About 150,000 documents are accessed a week—a figure that includes everything from the opening screen to proprietary editorial features to advertisers' messages. Whether or not users are registered, *GNN* is free to anyone with Web access to the Internet, although even the most rudimentary direct Internet connection costs upwards of $20 a month (*see sidebar*). The demographic information that

Dougherty collects from *GNN*'s online subscription form, though, is critical. "Too many people are coming online and saying 'there are 30 million users on the Internet.' Well, what kind of information are they giving you about their audience?" Dougherty asks. "People [at agencies] really want the numbers, and that's legitimate."

GNN's server technology records when articles are retrieved, and when an advertiser's screens are perused. "We can publish a report that says that 61 people came into your center this week, and two of them went to this document," says Dougherty.

Some of the advertising sections are themselves hybrids of editorial and advertising that is a step beyond print advertorials. For example, readers might be interested in the travel books offered by *GNN* advertiser Lonely Planet Publications, and then segue to the completely noncommercial essays being

> *'We can put you in a space where you can learn a lot,'* GNN *publisher Dale Dougherty tells potential partners.*

written by company founders Tony and Maureen Wheeler, an Australian couple touring the United States with their two kids in a 1959 Cadillac Coupe de Ville. Totally unrelated to Lonely Planet, but easily accessible to *GNN* readers, is a digital relief map of the United States that resides on a computer at the Applied Physics Laboratory of Johns Hopkins University.

Several major hurdles

GNN is never seen on paper unless a reader decides to print it out. Several drawbacks must be overcome, however, before online magazines like *GNN* become mainstream.

First, getting hooked up to the Web is very difficult. "That problem has to be solved in order for us to get any numbers in terms of total circulation," Dougherty admits. "We've got to do it right and we've got to make it easy."

Second, the full promise of Mosaic and similar applications will be only a tantalizing tease until high-speed links and better compression algorithms allow sound and video to travel to the average user's computer in real time and at reasonable cost.

Third, interactivity on Mosaic is limited. It currently has limited e-mail or chat capabilities, so the interaction of readers among themselves and with editors or advertisers—a function that many feel is a key component of electronic magazines—is not as

facile as it should be. But this will no doubt change; and in the meantime, Dougherty is exploring ways to get readers involved.

In May, *GNN* introduced a moderated discussion group that revolved around an article by two Intel Corp. executives describing how their company devised a policy for employee use of the Internet. Dougherty himself was the gatekeeper through which messages to the whole group passed. For two weeks, dozens of readers offered their opinions, and more than 800 readers used their dedicated e-mail applications to receive the daily batch of posts debating the issue.

Dougherty is not only looking for print publishing partners to participate in *GNN*, he also encourages competition on the Internet. "We're all out here to learn. Tim O'Reilly has a great line," Dougherty says, referring to his boss and the company founder: "Magazines weren't invented so that there would be only one magazine, and online publishing technology wasn't invented so that there would be only one form. There are a lot of different audiences out there."

Dougherty says that attracting advertising has been a struggle, but points out that it would have been a struggle with a new print publication as well. Down the road, but not soon, he says, *GNN* may make the transition from controlled to paid circulation. The pricing model, however, would probably be based on the magazine's yearly subscription fees rather than the online services' model of cost based on usage.

If you think your title might be a good fit for *GNN*, you can reach Dougherty at dale@ora.com or 800-998-9838. Passive participation, such as simply posting articles on the Web, would cost in the range of $20,000 to $50,000 annually. But Dougherty is looking for strategic publishing partners who might manage entire categories that match their editorial. These partners should be prepared to budget—"invest" is a word Dougherty prefers—from $100,000 to $500,000, which includes staffing.

Learn or lose

"We can probably save a lot of people's time in getting online and thinking about these issues," Dougherty says. "Our package won't make you immediately successful necessarily, but we can put you in a space where you can learn a lot. And if *you* don't learn it," he concludes with the conviction of a preacher, "someone else will." ∎

Thomas Forbes writes about media and marketing from Hastings-on-Hudson, N.Y. He can be reached at tforbes@panix.com or 75510,36 on CompuServe.

PC Computing

New! NETWORKING:
CorStream Server · Collaborative · Motorola 326XFast

USABILITY: *Hassle-free installation, easy Net surfing for Windows users.* ★★★★★
TECHNOLOGY: *Unique in its class thanks to multithreading and OLE 2.0 compliance.* ★★★★½
VERDICT: *Very few limitations, the best Windows Net suite money can buy.* ★★★★½

InternetWorks

Surfing Cyberspace in Suite Style
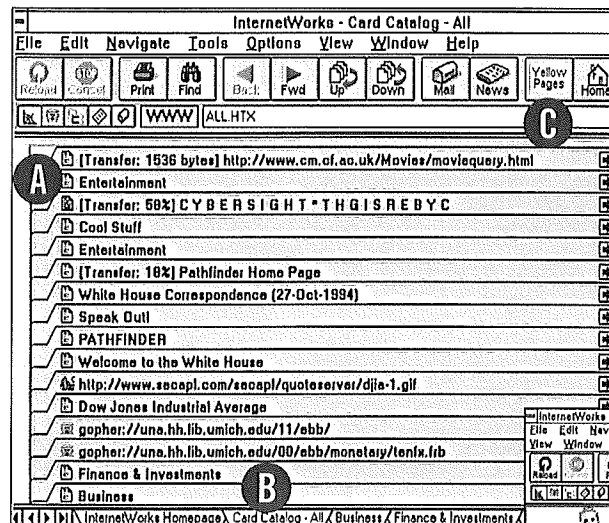
If you're still looking to catch the big Internet wave, you'll find that Windows Internet suites are as plentiful as Republicans in Congress. But BookLink Technologies' InternetWorks stands a notch above all other products with its complete multithreading capabilities and OLE 2.0 compliance. Simply put: If you have a Windows PC, a modem, and crave complete Net access, pick up a copy of InternetWorks today.

Intelligent Install Loading InternetWorks is a breeze. If it encounters files that already exist, it gives you a number of options for dealing with them. And with your consent, it will install Trumpet Winsock, the standard shareware TCP/IP package for Windows. Internet-Works also supports dozens of other TCP/IP stacks.

InternetWorks is compatible with NetCom, PSI, UUNet, and many other nationwide Net service providers. You can also choose a local service provider as long as it offers an SLIP/PPP connection.

Once you install the software, the first thing you see is the InternetWorks home page, a clickable display leading to a wide range of subject pages. All of these pages are on your hard drive (the whole package takes just over 1MB of disk space), and from them you can click your way onto the Net. If the link is to a Web site, the InternetWorks window displays a Web page. Similarly, if the link is to a Gopher site, you see a Gopher directory.

To send an e-mail message,

A. InternetWorks' Card Catalog displays all cached documents, as well as documents currently being transferred.

B. You'll appreciate InternetWorks' easy-to-use Net interface, especially the familiar menu tabs for viewing different suite modules.

C. Looking for that hard-to-find Net site? Look no further than an electronic edition of New Riders' Official Internet Yellow Pages—just a click away.

The (Net) Works: If you have a Windows PC, a modem, and a desire to enter the Internet, you can't go wrong with BookLink Technologies' InternetWorks. It's the only complete Windows Internet suite that includes multithreading and OLE 2.0 capabilities, and it works with any online service provider and most TCP/IP stacks.
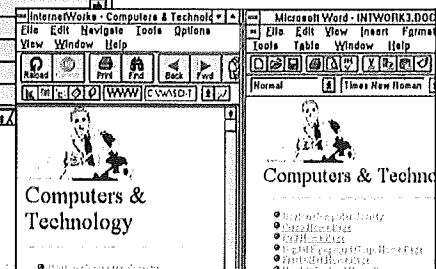
Direct Connect: Full OLE 2.0 support lets you integrate InternetWorks' menu (left) into any document or application—with all links fully active.

the File menu has a Send Mail command. For full e-mail services (including attaching files), click on the Mail button in the toolbar. The News button takes you to a browser with capabilities for posting and reading your messages.

Two-Timer The full integration of InternetWorks is great, but there are two other features that make this program unique—and invaluable. First, it supports OLE 2.0, which means you can incorporate it into any OLE-compliant document. Second, InternetWorks is fully multithreaded. Functionally, this means that you can access any feature when a query is underway without

affecting the progress of the query. The payoff? You don't have to wait for file downloads to finish before regaining control of your system. (Incidentally, the total number of simultaneous transfers possible depends on the TCP/IP stack. Trumpet allows 32, but it's unlikely that you'll ever need more than 8 or 10.)

The lone feature lacking in the current version of Internet-Works is Telnet, which is no great loss. And while Internet-Works' FTP support is less accessible than it could be, these are minor quibbles—everything else is here, in an integrated, multithreaded, OLE 2.0 bundle.   **NEIL RANDALL**

FILEBOX

InternetWorks

Competition: Spry's Internet in a Box, NetCom's NetCruiser, Frontier's SuperHighway Access, and MKS's Internet Anywhere—though none includes multithreading and OLE 2.0 support.
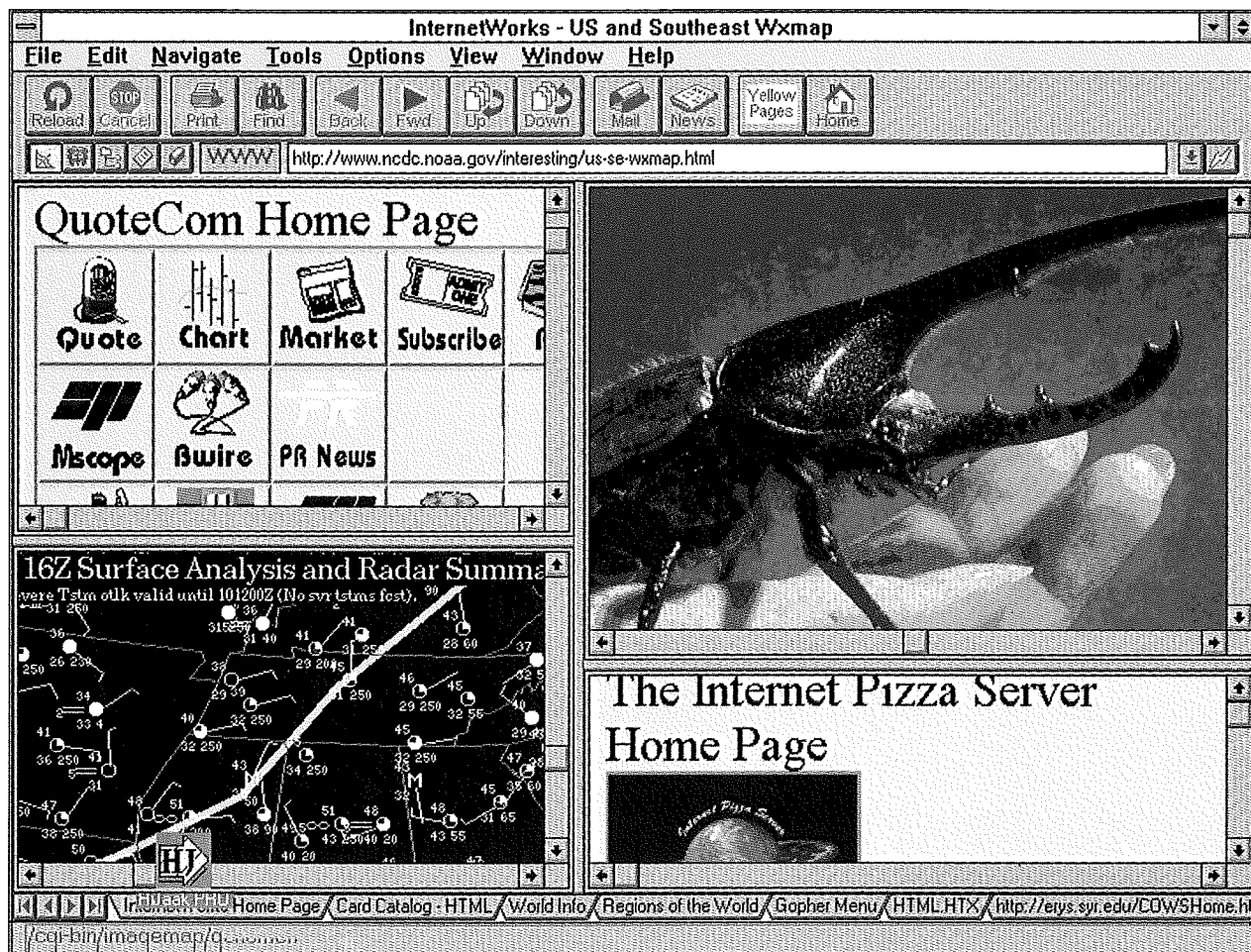
System Requirements: Windows 3.1, 386SX, 4MB of free hard-disk space, 4MB of RAM.

BookLink Technologies
75 Second Avenue, Suite 710
Needham, MA 02194
800-453-7873

Guide to the Ratings: ★★★★★ *Excellent*   ★★★★ *Good*   ★★★ *Acceptable*   ★★ *Poor*   ★ *Unacceptable*

Browser's delight: InternetWorks lets you open multiple Web pages, size them according to your needs and click back and forth between them.

■ INTERNET WORKS

Like Netscape, **InternetWorks will be a major competitor in the browser market in 1995.** Last year, America Online signed an agreement to purchase InternetWorks, then called Booklink. AOL, which will use Internet-Works as its own Web browser, also licensed the program to software giant Microsoft, which incorporated the InternetWorks technology into a special add-on for Word 6 for Windows.

InternetWorks offers a number of features that distinguish it from other browsers. First, the browser allows for simultaneous downloads and keeps those downloads available throughout the session. This makes it faster and easier to access multiple sites and to flip back and forth among them once they're downloaded. The downside of this, however, is that unless your computer has plenty of RAM, the pages, especially the graphics files, may use up all your memory unless you close pages manually.

Another unusual feature: InternetWork's bookmark or hotlist process, called card cata-logs. According to the company, users can create multiple card cat-alog lists and move cards from one list to another to organize the lists in whatever way they need. Although the card catalogs give users more control over long lists of saved sites, the process requires more time to learn than the point-and-click bookmarking process in Netscape, and until you learn how to use it, you won't be able to save any Web pages.

As for the Internet Assistant available for Microsoft Word, this is the first step toward transform-ing a word processing program into a fully functional Web brow-er. The Assistant, which uses the same technology as Internet-Works, allows users to download Web pages and store them within Word as you would to a hotlist or bookmark. Furthermore, the Assistant lets users turn Word files into hyperlinked documents that can be posted to the Web. The ultimate Web tool? Find out by downloading the Assistant from the Microsoft Home Page at: *http://www.microsoft.com/*. Remember, the Assistant works only with Microsoft's Word 6 for Windows.

NaviSoft, Inc.
An America Online Company

75 Second Avenue, Suite 710
Needham, MA 02194

Phone: (617) 449-3300   Fax: (617) 433-0595
http://www.navisoft.com
customer@navisoft.com

WINDOWS

THE #1 RESOURCE FOR WINDOWS INFORMATION ■ MAGAZINE

WINLAB FIRST IMPRESSIONS

InternetWorks

Browser Spins Web Wonders

IN PREPARATION for its Internet onslaught, America Online bought InternetWorks from Book-Link Technologies for $35 million. But you can get your hands on Internet-Works—a version of the software–for the price of a download.

With a flood of improved World Wide Web browsers hitting the digital surf, InternetWorks must offer more to claim valuable disk real estate. It does. In fact, it does so impressively and uniquely, by placing Internet connections into any document via OLE 2.0. It also offers multithreading to display different Web pages within separate windows and handles 256 simultaneous downloads.

In addition, e-mail and news readers are integrated, unlike other popular browsers that rely on outside apps to handle mail chores. Also, a complete version of the Macmillan Electronic Internet Yellow

Pages provides both lookup and connection to the net's vast resources for old hands and neophytes alike.

Like most Web browsers (one exception is Pipeline Inc.'s Pipeline software), InternetWorks requires a SLIP or PPP connection and the requisite tuning of TCP/IP parameters via the included WINSOCK.DLL and TCP/IP configuration software. Not a task for the faint of heart.

I tested beta4 of Inter-netWorks Lite, which doesn't provide OLE capability, just as BookLink was revamping its strategy in the wake of AOL's acquisition. According to Book-Link, two versions of the full product will be offered, in addition to the free Lite version, when it ships in April. One will be a front-end that works only with AOL's Internet service, and the other will be marketed by Macmillan Publishing as a general Internet Web browser.
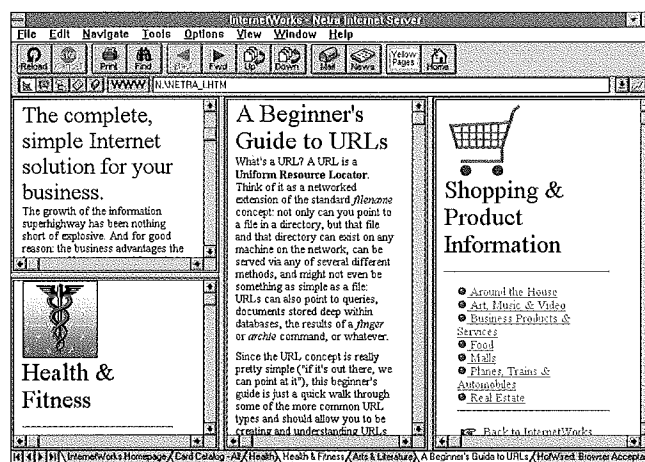
IntenetWorks offers a one-two net punch of live OLE 2.0 linking and simultaneous page downloading via separate windows.

In testing against NetScape 0.96, Internet-Works wasn't as fast in pure, single-window handling, but its *perceived* speed was convincing as I downloaded information in one window, read information in another and fired off e-mail in a third.

Couple the multiwindow operations with Internet-Works Card Catalog—which surpasses even Spry Air Mosaic's excellent hot list—and InternetWorks is not only a player in the Web

browser contest, but a serious contender for the title.
—*Rich Santalesa*

InternetWorks

NaviSoft, Inc.
An America Online Company
75 Second Avenue, Suite 710
Needham, MA 02194
Phone: (617) 449-3300
Fax: (617) 433-0595
http://www.navisoft.com
customer@navisoft.com

InternetWorks

Simply put, InternetWorks is a top-notch browser and one of the two best Windows browsers available. (Unfortunately there is no Mac version.) It's certainly better than Netscape.

InternetWorks is not really part of a suite of software, although it comes with e-mail and newsgroup programs. BookLink, which makes InternetWorks, was recently acquired by America Online, and it's unclear how AOL plans to distribute the program.

What's so special about Internet-Works? First, it's very fast. You can begin reading the first part of a document while the program continues transferring the rest of the text along with any inline images in the background. You also can initiate multiple sessions. In fact, you can split the window into two panes, hold down the Ctrl key, and click on several links to grab multiple documents simultaneously.

There's also drag-and-drop OLE support. You can drag a document into Word for Windows and turn the word processor into a Web browser, for example. In addition, a Web-like hyperlinked
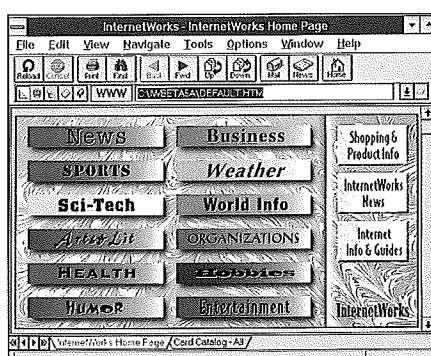
InternetWorks is the co-champion.

e-mail message can also become a Web browser. You probably won't want to browse the Web from within Word or e-mail, but you could use OLE to store Web documents inside Word documents and launch InternetWorks from within Word.

InternetWorks has an unusual caching system that stores every document it can (as much as disk space and memory will allow). It makes the documents available through tabs at the bottom of a window and in its Card Catalog system. By splitting the

display, you can view a current document as well as one you viewed a half hour ago.

Not only does InternetWorks provide a sort of history list, its Card Catalog is used to make hotlists. You can drag entries from the "history" Card Catalog onto another Card Catalog, then save the new one. In this way you can create catalogs for different subjects—for music, politics, books, and the like. You can save any sessions' Card Catalog for future use.

Web documents can be saved as HTML (but not as plain text) as well as in a "hypermedia" format with graphics and all. Thus, you can save a document on your hard disk and view it in the future in all its graphical glory. Other neat tricks can be performed via a pop-up menu that lets you save a URL from a link, remove documents from cache, reload a document, and find information about a linked file. It has built-in viewing capability for a number of common file formats as well as a simple external-viewer configuration.

PRODUCT	PLATFORM	GETTING IT	PRICE	RATING
STAND-ALONE BROWSERS				
InternetWorks	Windows	FTP from ftp.navisoft.com NaviSoft: 617-449-3300	Freeware	🕷🕷🕷🕷

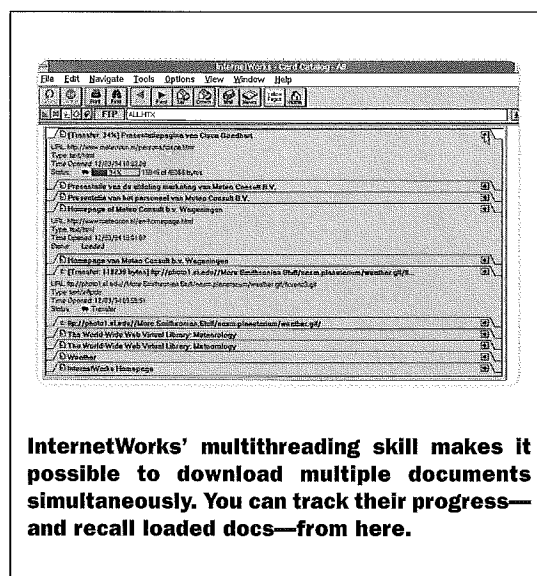🕷 *Browsers are rated from 1 to 4 spiders, with 4 being the best.*

NaviSoft, Inc., An America Online Company
75 Second Avenue, Suite 710, Needham, MA 02194
Phone: (617) 449-3300 • Fax: (617) 433-0595
http://www.navisoft.com   customer@navisoft.com

952006

ComputerLife

A Star Is Born: InternetWorks

nternetWorks, which was still in beta when I looked at it, is one of the most promising Internet access programs I've seen.

It's a charmer primarily because of its multithreading ability. That's just a fancy way of saying that it will download multiple documents—as many as 256—simultaneously. With just a few clicks, you can begin a search through Gopherspace, call up a couple of Web documents, and even start an FTP download. Just as important, InternetWorks caches downloaded documents in memory (and when that's full, it dumps them into files on the hard drive), so that you can instantly return to any document at any time during the session. No more waiting for a Web page to download a second time. The result is faster access to more information and almost no thumb-twiddling.

In its under-construction form, InternetWorks handled Web, Gopher, and FTP within single, standard interface. FTP is the weakest of the trio; it simply shows a listing of files to click on for downloading, with no drag-and-drop. You can also create custom hot lists (InternetWorks calls them Card Catalogs) from your explorations and then recall them the next time you're on the Net. E-mail and newsgroups weren't yet working, so those are still question marks.

You can try a beta version of the program yourself for free. Grab it with an FTP client at ftp.navisoft.com.

If the missing pieces fit together as well as what's already there, InternetWorks will move to the top of my list. The software will cost less

InternetWorks' multithreading skill makes it possible to download multiple documents simultaneously. You can track their progress—and recall loaded docs—from here.

than $50 and will be available for Windows. For information contact **NaviSoft, Inc., An America Online Company,** at 75 Second Avenue, Suite 710, Needham, MA 02194 Phone (617) 449-3300, Fax (617) 433-0595 http://www.navisoft.com; customer@navisoft.com.

GNN - Global Network Navigator
Competitive Matrix
June 1995

	Feature	GNN	NetScape	NetCom
1.	Browser	InternetWorks	Netscape 1.1	NetCruiser
2.	Integrated Internet Features	WWW/FTP/Gopher/News/Email	WWW/FTP/Gopher/News Receive Email Only	WWW/FTP/Gopher/News/Email/ IRC/Telnet
	Service/Access			
3.	U.S. Pricing: Monthly fee/hours Additional Hours Surcharges	$14.95/15 Hours $1.95/Hour	$39.95 for Browser + monthly fee from 3rd party ISP	$19.95/40 prime hours non-prime hours are free
4.	US POP's	600+	Third Party	65
5.	High Speed POP's	120+	Third Party	16
6.	High Speed TCP/IP access authoring tools	✓	Via 3rd parties	No (check)
7.	International POP's	15	—	—
8.	Trial Package	Free/15 hours	Free Eval/0 hours	$4.95/40 hours
9.	Single button installation & registration	✓	Sometimes; Still complex	✓
10.	Technical Support from same Vendor	✓	Split between Netscape and Network Provider	✓
	Navigation and Performance			
11.	Unlimited Multitasking & Multithreading	✓	Limited to one task per window	Limited to one task per window
12.	Unlimited # of Open Windows	✓	Limited by System Resources to Approximately 4 Windows	Limited by System Resources to Approximately 4 Windows
13.	Cache	✓	✓	—

	Feature	GNN	NetScape	NetCom
14.	Persistent Cache	✓	✓	—
15.	Progressive Rendering	✓	✓	—
16.	Accelerator Buttons. Streamlined access to Internet services	✓	—	—
17.	Forms Support	✓	✓	✓
18.	Printing	✓	✓	✓
19.	Multiple Column Printing	✓	—	—
20.	Print Preview	✓	✓	—
	Integrated Mail Features:			
21.	Multitasking	✓	—	—
22.	Send Email	✓	✓	✓
23.	Receive Email	✓	—	✓
24.	Multi-paned	✓	—	—
25.	MIME Attachments	✓	—	✓
26.	UUencode	✓	—	✓
27.	Internet Mail	✓	Send only	✓
	Comprehensive Content & Internet Directories			
28.	Comprehensive List of Web Sites	✓	✓	—
29.	Hosting Services for End-User Web Sites & Pages	✓	—	✓
30.	Authoring & Creation of Web Pages	✓	—	—
31.	What's New & Popular	✓	✓	✓
32.	Local & National Directories	✓	—	—

	Feature	GNN	NetScape	NetCom
	Extensibility & Customization			
33.	Ability to place documents from Net into OLE applications & maintain live links to Net (OLE Drag and Drop)	✓	—	—
34.	DLL embedding	✓	—	—
35.	OLE Automation	✓	✓	—

	Feature	GNN	NetScape	NetCom
	Information Management			
36.	Hotlists	✓	✓	✓
37.	Card Catalogs	✓	—	—
38.	Dynamic Mapping (back/forward, up/down, linking)	✓		

	Feature	GNN	NetScape	NetCom
	Interface			
39.	Single, Unified Interface for Internet Services & Protocols	✓	Not to Email	✓
40.	Integrated Audio	✓	—	✓
41.	Integrated Graphics	bmp/gif/jpeg	inline gif/Jpeg	gif-others external